



FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/774,041	ATTY. DOCKET NO.: 2002P87049WOUS
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: 02/06/04	CONFIRMATION NO.: 4995
		APPLICANT: Fufang Zha et al.	
Sheet 1 of 3		GROUP ART UNIT: 1723	EXAMINER: Menon, Krishnan S.

#### U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
KIM ↓		*5,958,243		Lawrence et al.	09-28-1999
		*6,045,698		Cote et al.	04-04-2000
		*6,214,231		Cote et al.	04-10-2001
		*6,284,135		Ookata	09-04-2001
		*6,325,928		Pedersen et al.	12-04-2001
		*6,375,848		Cote et al.	04-23-2002

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		Office/Country	Number	Kind Code			
Duplicate	*	DE	3904544	A	Fraunhofer-Gesellschaft zur Förderung	08-16-1990	Abstract
	*	DE	4117281	A	Chemie AG Bitterfeld-Wolfen	01-02-1992	Abstract
	*	DE	4117422	A	Dettinger, Willi	11-12-1992	Abstract
	*	EP	1052042	A1	Asahi Kasei Kogyo Kabushiki Kaisha	11-15-1990	
	*	EP	1350555	A1	Toray Industries, Inc.	10-08-2003	
	*	EP	250327	A1	Rhone-Poulenc Recherches	12-23-1987	Abstract
	*	EP	327025	A	Sartorius GmbH	08-09-1989	Abstract
	*	EP	395133	A1	X-Flow B.V.	02-01-1995	
	*	EP	407900	A2	Akzo N.V.	01-16-1991	Abstract
	*	EP	430082	A2	Millipore Corporation	06-19-1996	
DPC	*	EP	463627	A	Chemie AG Bitterfeld-Wolfen	01-02-1992	Abstract
	*	EP	50447	A	Asahi Glass Company Ltd.	10-02-1985	
	*	EP	763758	A1	Koh-Iken Co., Ltd.	10-02-1996	
	*	EP	911073	A1	Pall Corporation	04-28-1999	
	*	EP	920904	A1	Praxair Technology, Inc.	06-09-1999	
	*	FR	2620712	A1	Pennwalt Corp.	03-24-1989	Abstract
	*	FR	2674448	A1	Dumez Lyonnaise Eau	02-10-1992	Abstract
	*	GB	2253572	A	Aljac Engineering Limited	09-16-1992	
	*	JP	01-307409	A2	Daicel Chem Ind. Ltd.	12-12-1989	Abstract
	*	JP	02-164423	A2	Toshiba Corp.	06-25-1990	Abstract
✓	*	JP	02-264035	A2	Toyobo Co Ltd.	11-21-1990	Abstract
	*	JP	03-018373	A2	Terumo Corp.	01-25-1991	Abstract
	*	JP	03-028797	A2	Ebara Corp.	02-06-1991	Abstract
	*	JP	03-110445	A2	Fuji Photo Film Co Ltd	05-10-1991	Abstract
	*	JP	04-310223	A2	Asahi Chem Ind Co Ltd.	11-02-1992	Abstract
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# FOREIGN PATENT DOCUMENTS

<del>✓</del>	<del>*</del>	<del>JP</del>	<del>05-157654</del>	<del>A2</del>	<del>Asahi Chem Ind Co Ltd</del>	<del>06-25-1993</del>	<del>Abstract</del>
<del>✓</del>	<del>*</del>	<del>JP</del>	<del>06-277469</del>	<del>A</del>	<del>Kurita Water Ind. Ltd.</del>	<del>10-04-1994</del>	<del>Abstract</del>
<del>✓</del>	<del>*</del>	<del>JP</del>	<del>06-071120</del>	<del>A2</del>	<del>Akai Electric Co Ltd</del>	<del>03-15-1994</del>	<del>Abstract</del>
<del>✓</del>	<del>*</del>	<del>JP</del>	<del>06-114240</del>	<del>A2</del>	<del>Toray Ind Inc</del>	<del>04-26-1994</del>	<del>Abstract</del>
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<del>✓</del>	<del>*</del>	<del>JP</del>	<del>58-088007</del>	<del>A2</del>	<del>Asahi Glass Co Ltd</del>	<del>05-26-1983</del>	<del>Abstract</del>
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<del>✓</del>	<del>*</del>	<del>JP</del>	<del>61-257203</del>	<del>A2</del>	<del>Terumo Corp.</del>	<del>11-14-1986</del>	<del>Abstract</del>
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<del>✓</del>	<del>*</del>	<del>JP</del>	<del>62-004408</del>	<del>A2</del>	<del>Toshiba Corp.</del>	<del>01-10-1987</del>	<del>Abstract</del>
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<del>✓</del>	<del>*</del>	<del>JP</del>	<del>63-097634</del>	<del>A2</del>	<del>Toray Ind Inc</del>	<del>04-28-1988</del>	<del>Abstract</del>
<del>KM</del>	<del>*</del>	<del>WO</del>	<del>90/00434</del>		<del>Fairey Arlon Limited</del>	<del>01-25-1990</del>	
<del>KM</del>	<del>*</del>	<del>WO</del>	<del>96/41676</del>		<del>United Utilities plc</del>	<del>12-27-1996</del>	
<del>KM</del>	<del>*</del>	<del>WO</del>	<del>99/01207</del>		<del>Zenon Environmental Inc.</del>	<del>01-14-1999</del>	
<del>KM</del>	<del>*</del>	<del>WO</del>	<del>99/59707</del>		<del>USF Filtration and Separations Group Inc</del>	<del>11-25-1999</del>	
<del>KM</del>		<del>WO</del>	<del>93/02779</del>	<del>A1</del>	<del>Memtec Limited</del>	<del>02-18-1993</del>	
<del>✓</del>	<del>✓</del>	<del>WO</del>	<del>93/15827</del>		<del>Yamamori</del>	<del>08-19-1993</del>	<del>Abstract</del>
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<del>✓</del>	<del>✓</del>	<del>JP</del>	<del>06-343837</del>		<del>Ebara Infilco Co. Ltd.</del>	<del>12-20-1994</del>	<del>Y</del>
<del>✓</del>	<del>✓</del>	<del>JP</del>	<del>07-024272</del>		<del>Mitsubishi Rayon Co. Ltd</del>	<del>01-27-1995</del>	<del>Y</del>
<del>✓</del>	<del>✓</del>	<del>JP</del>	<del>S63-38884</del>		<del>Asahi Chemical Industry Co. Ltd.</del>	<del>07-05-1986</del>	<del>Y</del>
<del>✓</del>	<del>✓</del>	<del>JP</del>	<del>07-185268</del>		<del>Toray Ind. Inc.</del>	<del>07-25-1995</del>	<del>Y</del>
<del>✓</del>	<del>✓</del>	<del>JP</del>	<del>62-250908</del>		<del>Asahi Chemical Industry Co. Ltd.</del>	<del>10-31-1987</del>	<del>Abstract</del>
<del>✓</del>	<del>✓</del>	<del>JP</del>	<del>04-265128</del>		<del>Ebara Infilco Co. Ltd.</del>	<del>09-21-1992</del>	<del>Y</del>
<del>✓</del>	<del>✓</del>	<del>JP</del>	<del>07-185271</del>		<del>Kurita Water Industries Ind. Ltd.</del>	<del>07-25-1995</del>	<del>Y</del>
<del>✓</del>	<del>✓</del>	<del>JP</del>	<del>04-250898</del>		<del>Yanmar Diesel</del>	<del>09-07-1992</del>	<del>Y</del>
<del>✓</del>	<del>✓</del>	<del>JP</del>	<del>06-285496</del>		<del>Ebara Infilco Co. Ltd.</del>	<del>10-11-1994</del>	<del>Abstract</del>
<del>✓</del>	<del>✓</del>	<del>JP</del>	<del>05-285348</del>		<del>Nitto Denko Corp.</del>	<del>11-02-1993</del>	<del>Abstract</del>

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				GROUP ART UNIT: 1723		EXAMINER: Menon, Krishnan S.			
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#### FOREIGN PATENT DOCUMENTS

<del>JP</del>	<del>05-096136</del>	<del>Toray Ind. Inc.</del>	<del>04-20-1993</del>	<del>Abstract</del>
<del>JP</del>	<del>06-218237</del>	<del>Kubota Corp.</del>	<del>08-09-1994</del>	<del>Abstract</del>
<del>JP</del>	<del>07-155758</del>	<del>Mitsubishi Rayon Co. Ltd.</del>	<del>06-20-1995</del>	<del>Abstract</del>
<del>JP</del>	<del>09-220569</del>	<del>Kubota Corp.</del>	<del>08-26-1997</del>	<del>Abstract</del>
<del>JP</del>	<del>11-165200</del>	<del>Mitsubishi Rayon Co. Ltd.</del>	<del>06-22-1999</del>	<del>Abstract</del>
KM	EP 1034835	Biothane Systems International	09-13-2000	

#### OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
KM		KAIYA et al., "Water Purification Using Hollow Fiber Microfiltration Membranes," 6 <sup>th</sup> World Filtration Congress, Nagoya, 1993, pp. 813-816.	
		UEDA et al., "Effects of Aeration on Suction Pressure in a Submerged Membrane Bioreactor," <i>Wat. Res.</i> Vol. 31, No. 3, 1997, pp. 489-494.	
		LOZIER et al., "Demonstration Testing of ZenoGem and Reverse Osmosis for Indirect Potable Reuse Final Technical Report," published by CH2M Hill, available from the National Technical Information Service, Operations Division, January 2000, entire publication.	
		ZENON, "Proposal for ZeeWeed® Membrane Filtration Equipment System for the City of Westminster, Colorado, Proposal Number 479-99," March 2000, entire publication.	
		JOHNSON, "Recent Advances in Microfiltration for Drinking Water Treatment."	

EXAMINER	<i>KM Menon</i>	DATE CONSIDERED	7/28/06
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#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*a copy of this reference is not provided because it was previously cited in an Information Disclosure Statement dated 1/7/2005 and a copy was placed in the application file.